ADV7521NK

Low Power, 80 MHz HDMI Transmitter with CEC Support

Features

- 80 MHz operation supports all video formats up to 720p/1080i
- Low power consumption for battery-powered devices
- Internal CEC controller makes it easy to add CEC functionality to systems
- Incorporates HDMI technology
- Includes x.v.Color
- Supports S/PDIF and 2 channels of I²S audio up to 192 kHz
- Internal, fully programmable color space and timing conversion for different video outputs
- Supports repeater function
- Single 1.8 V power supply
- 3.5 mm × 3.5 mm, 49-lead WLCSP Pb-free package

Applications

- Digital video cameras
- Digital still cameras
- Cellular handsets
- Portable media players

The ADV7521NK is an 80 MHz High-Definition Multimedia Interface (HDMI™) transmitter that is ideal for use in portable electronics, including HD video camcorders, digital still cameras, cellular handsets, and portable media players.

The digital video interface incorporates HDMI technology and supports HDTV formats up to 720p/1080i. The ADV7521NK also supports programmable AVI InfoFrames and x.v.Color.™

The ADV7521NK supports both S/PDIF and 2-channel I²S audio. Its high fidelity, 2-channel I²S bus can transmit audio at 192 kHz. Compressed audio, including Dolby® Digital and DTS,® is supported via S/PDIF.

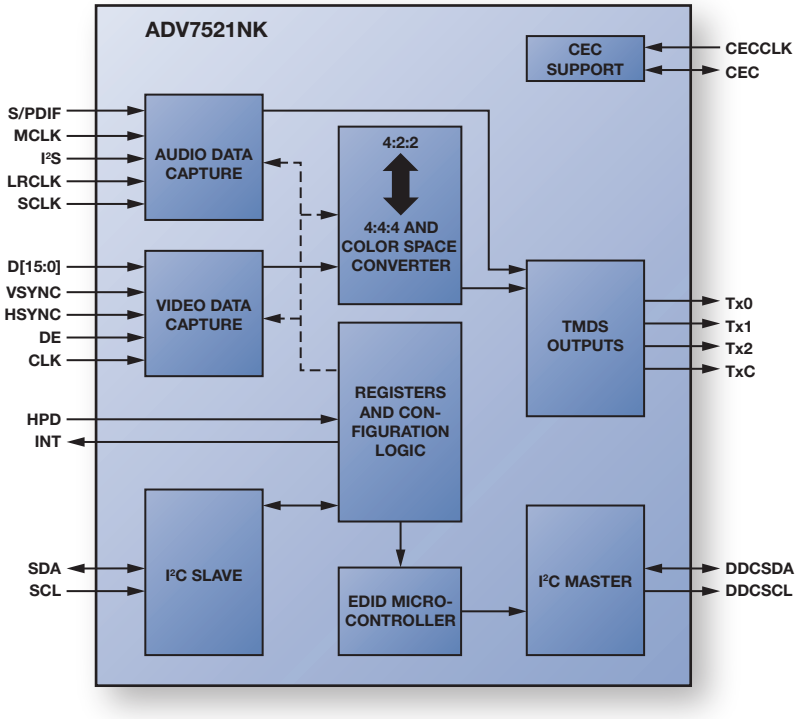
Data sheets, software/hardware guides, and software driver reference code and documentation are available from Analog Devices local sales and marketing personnel. Samples, evaluation kits, and reference design schematics are also available.

Advantiv®
Advanced Television Solutions
by Analog Devices

www.analog.com/Advantiv

ANALOG DEVICES

Functional Block Diagram



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Printed in the U.S.A. PH07313-.5-12/08(A)